

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Mara ROSSI

SERIAL NO: New U.S. PCT Application Based on PCT/EP03/50824

GAU:

FILED: Herewith

EXAMINER:

FOR: PROCESS FOR THE PURIFICATION OF TNF-BINDING PROTEINS USING IMAC

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

COMMISSIONER FOR PATENTS  
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

REFERENCES

- ☒ The applicant(s) wish to make of record the references listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

RELATED CASES

- ☐ Attached is a list of applicant's pending application(s), published application(s) or issued patent(s) which may be related to the present application. In accordance with the waiver of 37 CFR 1.98 dated September 21, 2004, copies of the cited pending applications are not provided. Cited published and/or issued patents, if any, are listed on the attached PTO form 1449.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

CERTIFICATION

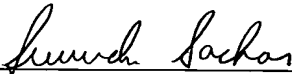
- ☐ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

DEPOSIT ACCOUNT

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

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Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO.  272008US0PCT		SERIAL NO. <b>10/534535</b> Based on PCT/EP03/50824	
LIST OF REFERENCES CITED BY APPLICANT				APPLICANT Mara ROSSI			
				FILING DATE Herewith		GROUP	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE	
AA	5,932,102	08/03/99	WYLLIE, David C. et al.				
AB	5,169,936	12/08/92	STAPLES, Mark A. et al.				
AC	5,283,339	02/01/94	ARNOLD, Frances H. et al.				
FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO			
AD							
AE							
AF							
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)							
AG	Yaron NOPHAR et al: "Soluble forms of tumor necrosis factor receptors (TNF-Rs). The cDNA for the type 1 TNF-R, cloned using amino acid sequence data of its soluble form, encodes both the cell surface and a soluble form of the receptor. EMBO JOURNAL, OXFORD UNIVERSITY PRESS, vol. 9, no. 10, pages 3269-3278, October 1, 1990. XP002025930						
AH	Vladka GABERC-POREKAR et al: "Perspectives of immobilized-metal affinity chromatography" JOURNAL OF BIOCHEMICAL AND BIOPHYSICAL METHODS, vol. 49, no. 1-3, pages 335-360, 2001. XP002227555						
AI	Frances H. ARNOLD: " METAL-AFFINITY SEPARATIONS: A NEW DIMENSION IN PROTEIN PROCESSING" BIO/TECHNOLOGY, vol. 9, no. 2, pages 151-156, February 1991. XP009003669						
AJ	E. HOCHULI: "GENETIC APPROACH TO FACILITATE PURIFICATION OF RECOMBINANT PROTEINS WITH A NOVEL METAL CHELATE ADSORBENT" BIO/TECHNOLOGY, vol. 6, no. 11, pages 1321-1325, November 1, 1988. XP002054489						
AK	Bharat B. AGGARWAL et al: "Characterization of receptors for human tumour necrosis factor and their regulation by $\gamma$ -interferon" LETTERS TO NATURE, vol. 318, pages 665-667, December 1985.						
AL	Manfred BROCKHAUS et al: "Identification of two types of tumor necrosis factor receptors on human cell lines by monoclonal antibodies" Proc.Natl.Acad.Sci., Vol. 87, pages 3127-3131, April 1990.						
AM	Hartmut ENGELMANN et al: "Two Tumor Necrosis Factor-binding Proteins Purified from Human Urine" THE JOURNAL OF BIOLOGICAL CHEMISTRY, Vol. 265, No. 3, pages 1531-1536, 1990.						
AN	Hansruedi LOETSCHER et al: "Molecular Cloning and Expression of the Human 55 kd Tumor Necrosis Factor Receptor" CELL, Vol. 61, pages 351-359, 1990.						
AO	Thomas J. SCHALL et al: "Molecular Cloning and Expression of a Receptor for Human Tumor Necrosis Factor" CELL, Vol. 61, pages 361-370, April 20, 1990.						
AP	Craig A. SMITH et al: "A Receptor for Tumor Necrosis Factor Defines an Unusual Family of Cellular and Viral Proteins" SCIENCE, Vol. 248, pages 1019-1023, May 25, 1990.					<input type="checkbox"/> Additional References sheet(s) attached	
Examiner							
Date Considered							
*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

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Docket No.: 272008US0PCT

STATEMENT OF RELEVANCY

- 1) References AA-AC and AG-AJ have been cited in the International Search Report. Copies of these references are being submitted herewith only when not automatically provided by the International Searching Authority.
- 2) References \_\_\_\_\_ have been cited in the corresponding \_\_\_\_\_ Search Report. A copy of these references is being submitted herewith.
- 3) References AK-AP are discussed in the specification. A copy of these references is being submitted here with.
- 4) Reference \_\_\_\_\_ is additional prior art known to Applicant. A copy of these references is being submitted herewith.